

1. (Currently amended) A consumer electronic device, comprising:
  - a network interface for communicating with a remote server; and
  - a media storage for storing program code modules for controlling an operation of the consumer electronic device, the program code modules comprising:
    - an error recovery module for utilizing the network interface to communicate with the remote server and attempt to recover from an error experienced by the consumer electronic device; and
    - a monitoring module for monitoring the operation of the consumer electronic device and determining whether to activate the error recovery module, wherein the media storage comprises a system area for storing the monitoring module and a control module for controlling the operation of the consumer electronic device; and an error recovery area for storing the error recovery module, wherein the error recovery area comprises data modules for storing backup copies of the monitoring and control modules, and wherein the error recovery module is adapted to restore the monitoring and/or control modules from the data modules to the system area.
2. (Original) The consumer electronic device of claim 1, wherein the consumer electronic device is a digital video recorder.
3. (Cancelled)
4. (Cancelled)
5. (Original) The consumer electronic device of claim 1, wherein the error recovery module comprises: a network recovery module for downloading and installing new program code modules from the remote server.

6. (Original) The consumer electronic device of claim 1, wherein the network interface is adapted to communicate with a diagnostic server and wherein the error recovery module further comprises: a diagnostic module for communicating with the diagnostic server to diagnose the error experienced by the consumer electronic device.
7. (Original) The consumer electronic device of claim 1, wherein the error recovery module is adapted to: attempt a first-level solution to the error; and responsive to a failure of the first-level solution, attempt a second-level solution to the error.
8. (Original) The consumer electronic device of claim 7, wherein the first-level solution comprises attempting to recover from the error by performing a minor repair on the program code modules stored by the media storage.
9. (Original) The consumer electronic device of claim 7, wherein the second-level solution comprises activating a network recovery module for downloading program code modules from a remote server and installing the program code modules on the media storage.
10. (Original) The consumer electronic device of claim 1, further comprising: a nonvolatile memory for storing the monitoring and/or error recovery modules.
11. (Original) The consumer electronic device of claim 1, further comprising: a status module for displaying a status of the error recovery module.
12. (Currently amended) A method of attempting to resolve an error suffered by a consumer electronic device, comprising the steps of:
  - attempting to diagnose the error; and
  - attempting a solution to the diagnosed error suffered by the consumer electronic device,the attempt performed automatically responsive to a detection of the error, wherein the step of

attempting a solution to the diagnosed error comprises the step of: attempting to execute backup copies of program code modules for controlling the consumer electronic device stored on a media storage associated with the device.

13. (Cancelled)

14. (Original) The method of claim 12, wherein the step of attempting a solution to the diagnosed error comprises the step of: downloading program code modules for controlling the consumer electronic device from a remote server in communication with the consumer electronic device.

15. (Original) The method of claim 12, wherein the step of attempting a solution to the diagnosed error comprises the steps of: attempting a first-level solution to the error; and responsive to a failure of the first-level solution, attempting a second-level solution to the error.

16. (Original) The method of claim 15, wherein the step of attempting a first-level solution to the error comprises the step of: attempting to recover from the error by performing minor repairs on a media storage associated with the consumer electronic device.

17. (Original) The method of claim 15, wherein the step of attempting a second-level solution to the error comprises the step of: activating a network recovery module for downloading program code modules from a remote server and installing the program code modules on a media storage associated with the consumer electronic device.

18. (Original) The method of claim 12, further comprising the step of: displaying a status of the consumer electronic device.

19. (Currently amended) A computer program product comprising:

a computer-usable medium having computer-readable code embodied therein for controlling an operation of a consumer electronic device having a network interface, the computer program product comprising:

an error recovery module for utilizing the network interface to communicate with a remote server and attempt to recover from an error experienced by the consumer electronic device; and

a monitoring module for monitoring the operation of the consumer electronic device and determining whether to activate the error recovery module, wherein the computer-usable medium comprises a system area for storing the monitoring module and a control module for controlling the operation of the consumer electronic device and an error recovery area for storing the error recovery module, wherein the error recovery area comprises data modules for storing backup copies of the monitoring and control modules, and wherein the error recovery module is adapted to restore the monitoring and/or control modules from the data modules to the system area.

20. (Cancelled)

21. (Cancelled)

22. (Original) The computer program product of claim 19, wherein the error recovery module comprises: a network recovery module for downloading and installing new program code modules from the remote server.

23. (Original) The computer program product of claim 19, wherein the network interface communicates with a diagnostic server and wherein the error recovery module further

comprises: a diagnostic module for communicating with the diagnostic server to diagnose the error experienced by the consumer electronic device.

24. (Original) The computer program product of claim 19, wherein the error recovery module is adapted to: attempt a first-level solution to the error; and responsive to a failure of the first-level solution, attempt a second-level solution to the error.

25. (Original) The computer program product of claim 24, wherein the first-level solution comprises attempting to recover from the error by performing minor repairs on the computer-readable code for controlling the operation of the consumer electronic device.

26. (Original) The computer program product of claim 24, wherein the second-level solution comprises activating a network recovery module for downloading program code modules from a remote server and installing the program code modules on the computer-usable medium.

27. (Original) The computer program product of claim 19, wherein the computer-usable medium further comprises: a nonvolatile memory for storing at least a portion of the monitoring and/or error recovery modules.